

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Canceled)

Claim 2 (Currently Amended): ~~The image formation apparatus as claimed in claim 1,~~
~~wherein~~ An image formation apparatus for developing an electrostatic latent image with a
two-component developer comprising magnetic carriers and toners by using a development
apparatus and a latent image supporter including a filler in an outermost layer thereof,
the development apparatus having a developer supporter and a developer quantity
controller,

the developer supporter having an internally fixed magnetic body and rotating while
supporting the developer on a surface thereof, and

the developer quantity controller facing the magnetic body and comprising materials
having rigidity or rigidity and magnetic properties, for controlling a quantity of the developer
supported by the developer supporter by controlling a height of magnetic brushes,

wherein a ratio of a development gap to a doctor gap between the developer supporter
and the controller is from 0.7 to 1.0, a weight-averaged particle diameter of the developer
carrier is from 20 to 60 μm , and a surface roughness R_z of a development sleeve is from 10
to 30 μm .

Claim 3 (Currently Amended) The image formation apparatus as claimed in claim 1
2, wherein a surface of the development sleeve is processed by sand blasting.

Claim 4 (Currently Amended): The image formation apparatus as claimed in claim 1, wherein a ratio (D/R_z) of the weight-averaged particle diameter (D) of the developer carrier to surface roughness (R_z) of the development sleeve satisfies a relation $2 \leq D/R_z \leq 3$.

Claim 5 (Currently Amended): The image formation apparatus as claimed in claim 1, wherein the filler included in the outermost layer of the latent image supporter is formed by a metal oxide.

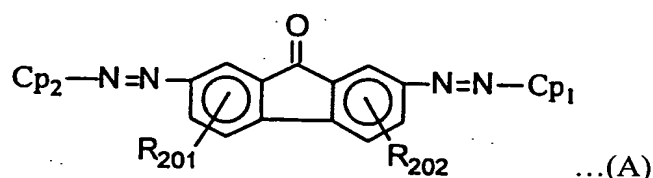
Claim 6 (Currently Amended): The image formation apparatus as claimed in claim 1, wherein the outermost layer of the latent image supporter includes a charge transfer material.

Claim 7 (Original): The image formation apparatus as claimed in claim 6, wherein the charge transfer material is a polymer having electron-donating groups.

Claim 8 (Currently Amended): The image formation apparatus as claimed in claim 1, wherein the outermost layer of the latent image supporter includes an organic compound of which acid value is from 10 to 40 (mgKOH/g).

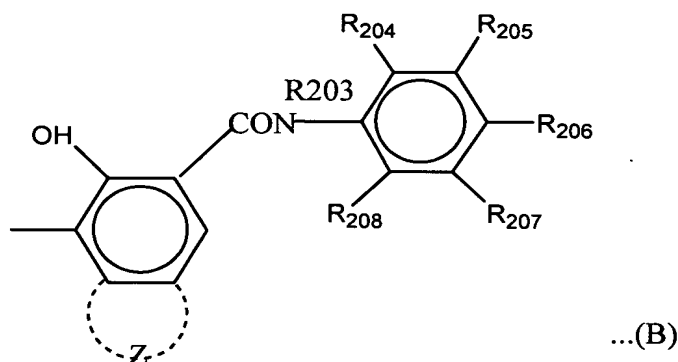
Claim 9 (Currently Amended): The image formation apparatus as claimed in claim 1, wherein a charge generating material included in the latent image supporter is a titanylphthalocyanine having at least a maximum diffraction peak at 27.2° as a diffraction peak at Bragg angle 2θ ($\pm 0.2^\circ$) for characteristic X-ray of $\text{CuK}\alpha$.

Claim 10 (Currently Amended): The image formation apparatus as claimed in claim 1, wherein the charge generating material included in the latent image supporter is an azo pigment represented by the following structural formula (A):



wherein Cp₁ and Cp₂ are coupler residues, which are identical or different from each other; wherein R₂₀₁ and R₂₀₂ are respectively selected from a group consisting of hydrogen atom, halogen atom, alkyl groups, alkoxy groups, and cyano group and are identical or different from each other; and

Cp₁ and Cp₂ are represented by the following structural formula (B):



wherein R₂₀₃ is selected from a group consisting of hydrogen atom, alkyl groups such as methyl group and ethyl group, and aryl groups such as phenyl group; and

R₂₀₄, R₂₀₅, R₂₀₆, R₂₀₇, and R₂₀₈ are respectively selected from a group consisting of hydrogen atom, nitro group, cyano group, halogen atom such as fluorine, chlorine, bromine, and iodine, trifluoromethyl group, alkyl groups such as methyl group and ethyl group, alkoxy groups such as methoxy group and ethoxy group, dialkylamino group, and hydroxyl group; and

Z represents an atom group required for forming a substituted or non-substituted aromatic carbon ring or a substituted or non-substituted aromatic heterocyclic ring.

Claim 11 (Currently Amended): The image formation apparatus as claimed in claim 1, wherein a surface of a conductive supporter of the latent image supporter is anodized.

Claim 12 (Currently Amended): The image formation apparatus as claimed in claim 1, wherein a charger contacts or is closely arranged to the latent image supporter.

Claim 13 (Original): The image formation apparatus as claimed in claim 12, wherein a size of an air gap between the charger and the latent image supporter is equal to or less than 200 μm .

Claim 14 (Original): The image formation apparatus as claimed in claim 12, wherein an alternating current component is superposed on a direct current component in the charger to provide a charge to the latent image supporter.

Claim 15 (Currently Amended): The image formation apparatus as claimed in claim 1, wherein zinc stearate is applied on the latent image supporter.

Claim 16 (Original): The image formation apparatus as claimed in claim 15, wherein zinc stearate powder is included in the toner provided to a development area.